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Shifts in the Sand: Mapping an Island's Erosion

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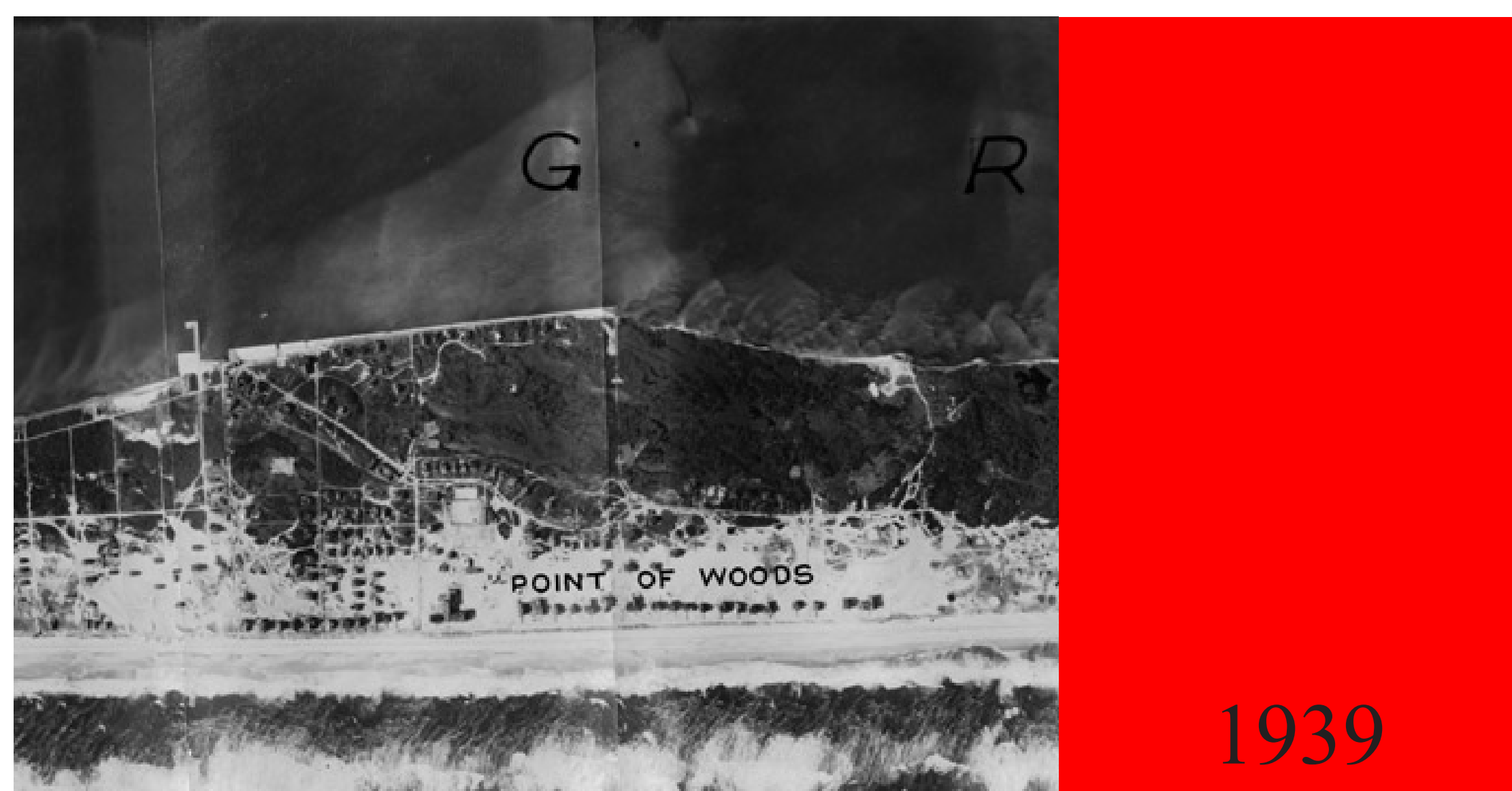
Between 1938 and 2010 the stretch of beach owned by the Point O' Woods community on Fire Island, NY has experienced continual erosion. The beach has ranged from a width of 145 meters in 1962 to 78 meters in 2001. Currently barely any beach exists due to severe storms in February and March 2010.



Extent of the Point O' Woods Shoreline as Measured from Aerial Photographs



1938



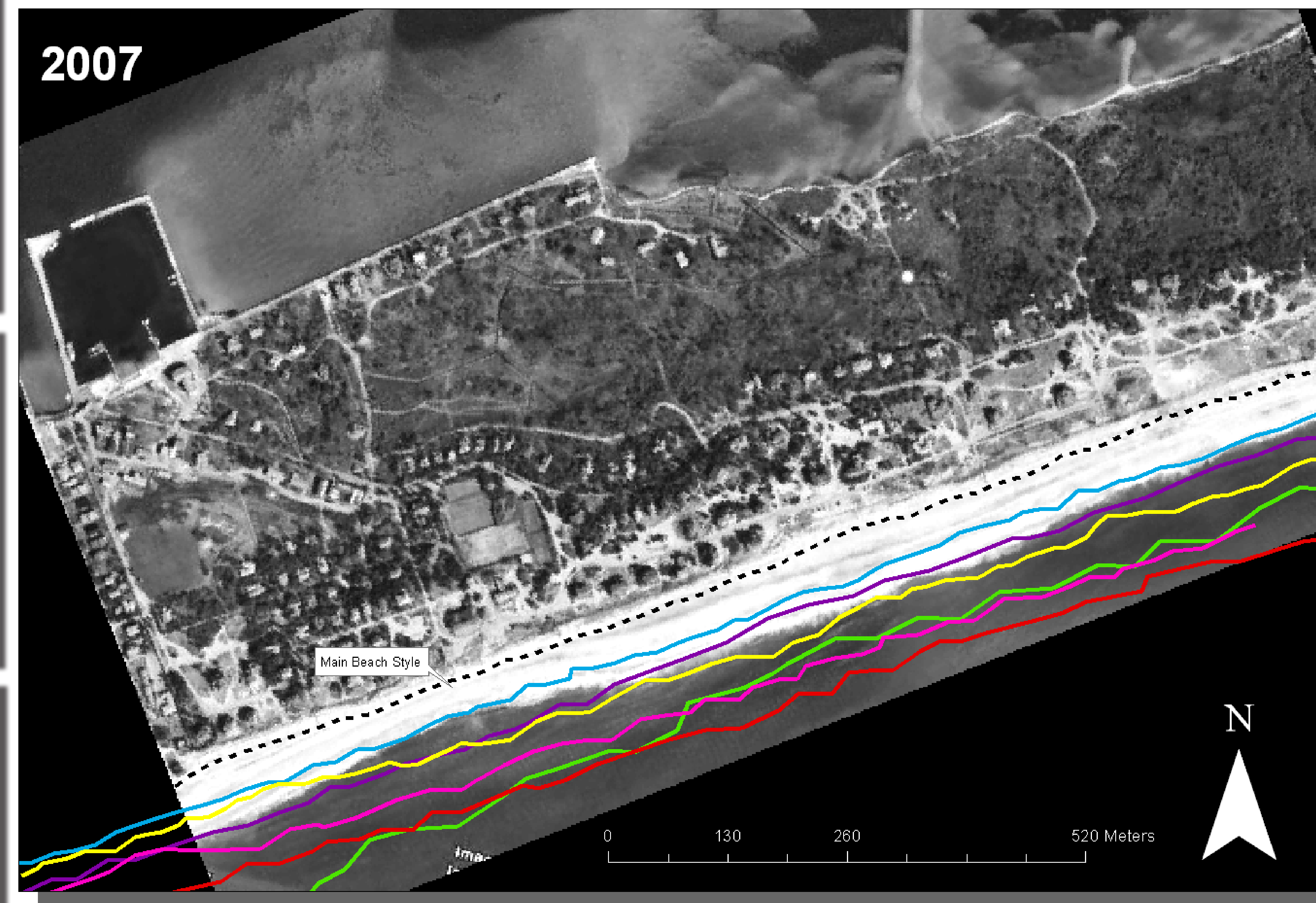
1939



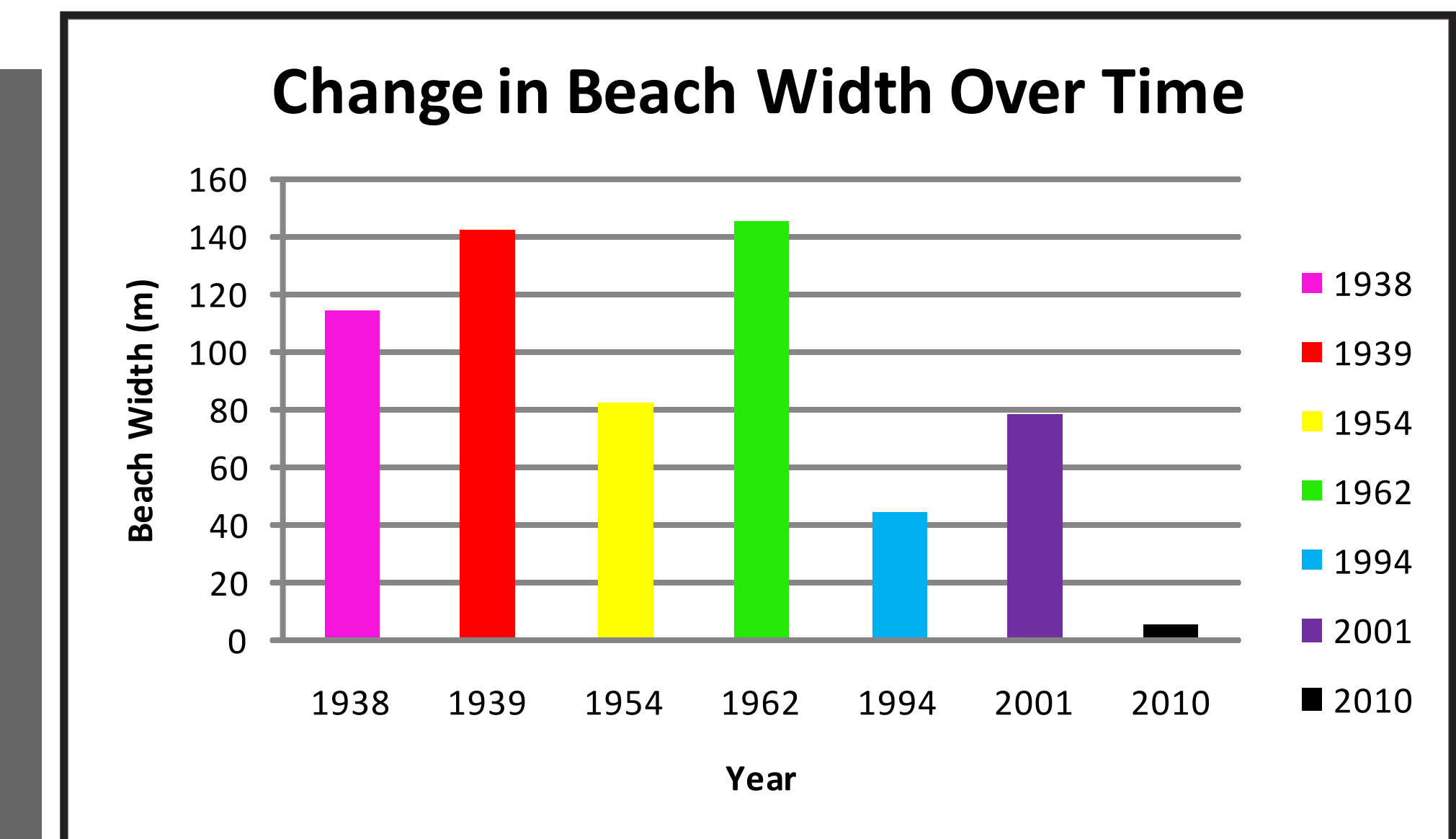
1954



1962



2007



References:

Dennis Skidds, National Parks Service
Alexander Brash, National Parks Conservation Association
(<http://chl.wes.army.mil/shore/>)

Legend

- 1938
- 1939
- 1954
- 1962
- 1994
- 2001
- 2010 estimate

March 2010

